

OVERGRAZING BLAMED FOR HEAVY DAMAGE BY FLOODS

Destroyed Culverts, Washed Out Roads, Bridges, Ditches, Silent Power Plants, Destruction of Town Property Attributable to Improper Use of Range.

BY WILL O'BRYNE

To the casual observer riding along the valley in an automobile near Ephraim, there does not seem to be much relation between the stock he can see grazing on the mountain sides and the washed out roadway he has been over for the last few miles, nor to the scarcity of water he has heard the farmers picking about nor to the ruin of what was once a bridge that he passed a short time before.

And it would take a considerable stretch of imagination for him to get the idea that there is a close connection between the stock grazing on the mountain sides and a group of men bending over desks of the forestry service building in Ogden.

It seems still harder to believe that damage running into thousands of dollars and consisting of destroyed culverts, washed out irrigation ditches, ruined roads, ruined farm lands, property damage in such towns as Ephraim where basements were flooded and filled with sand and mud, where stocks of merchandise were ruined, should in any way be connected with those same sheep or cattle grazing peacefully on the mountain sides of the valleys of that section.

OVERGRAZING THE CAUSE. Yet such is the fact. And the answer is the department of grazing of the district four now preparing plans to be put in operation during the coming year.

According to the officials of that department one of the most important things to be considered is overgrazing of the national forests.

For when a range is overgrazed to the extent that it is turned into a dust heap the overgrazing is directly responsible for all kinds of damage, namely, destruction of the forage first followed by destruction of the soil on the range and necessarily the destruction of the watershed, followed by destructive floods, roads, bridges and so forth and last but not by any means least a loss of water for the farms in the hot summer months and the burning up of the crops.

The rains that fall on an overgrazed area keep right on falling even after the water strikes the ground but instead of falling into the ground the water falls off it as it were gathering force until it pours down the mountain side in a raging torrent. With the vegetation absent it has nothing to impede its progress. It is on its way gathering volume as it goes.

POWER OF WATER. The transporting power of water varies as the sixth power of its velocity, that is, if a stream is increased ten times its transporting power is increased one million times.

A current of water flowing at the rate of two miles per hour will move a piece of rock about the size of a hen's egg but a current of 20 miles per hour will carry boulders along weighing tons upon tons.

Another thing, the erosive power of a stream varies as the square of the velocity. An ordinary irrigation ditch with a slope of three feet per mile will cut away a bank of sandy earth.

It can readily be seen what a stream of water will do in the way of erosion when rushing down a mountain side.

On file in the forest offices are records which show that on July 25, 1912, a rainstorm occurred at the head of Ephraim canyon on the divide at an elevation of approximately 5,500 feet. It lasted for about two hours during which the rain fell intermittently. The entire stream sent down 41 of an inch of rain according to the rain gauge records.

RESULTS OF FLOODS. And yet a flood started carrying with it logs, huge rocks, silt and yeg-

table matter that in a short time reached the towns and farms below. It covered the streets and fields, filled basements, ruined stocks of merchandise, washed out bridges, roads, and did an enormous amount of damage.

Its direct cause was overgrazing of the range in the vicinity of Ephraim. That is, the range had been overgrazed to such an extent by the sheep that it was practically nothing more than just a bank of dirt.

It is to prevent a recurrence of such damage that the work of the forestry service in relation to grazing is being done and the work of the Great Basin Experiment station is being carried forward.

Another important feature of the work is the maintaining and increasing of the present stand of vegetation that is palatable to livestock by seeing that the stock are not allowed to graze excepting during the proper season.

EARLY USE DETRIMENTAL. Students along that line have discovered that too early use is detrimental to the range. They say that plants, until a considerable length of time after they show above the ground in spring are composed of a large percentage of water. The comparatively small amount of other substance in their makeup comes from the stored food in their roots which has been transformed into stems and leaves. This food was made and can be made only in grass as leaves; that in roots having been made during the previous summer. It is used primarily to start growth in the spring and after this supply of food is gone the leaves must begin making more food or growth stops and the plant eventually dies.

THE FOOD LABORATORY. If at about the time the food in the roots is used up, stock eat the green leaves, the plant is greatly injured because it has been robbed of its food making laboratory. But if the leaves are left on until the plant has fully developed this injury does not occur since the larger amount of stored food has been made more food than is needed for the growth of the plant and a sufficient amount has been stored to keep it alive and vigorous.

Determination of the date when forage plants on many of the Utah ranges reach the state where they will withstand grazing without detriment, and also how to keep the stock off such ranges until such a date and yet allow the stock to be grazed is very important.

During the late spring and early summer months a man of technical training and practical experience will be assigned to this kind of work on the La Sal, Dixie-Sevier and Powell-Sevier national forests in Utah.

IMPROVEMENT NOTED. When they were included in the national forests most of the ranges in Utah were in a seriously depleted condition as a result of overgrazing. Though considerable improvement has been attained a number of the ranges are not as yet producing near the amount of forage they are capable of producing.

In addition to the forage produced on these areas most of them are highly important as watersheds and since remedial measures affect as a rule the stockmen's interests the officials of the forest service are careful to establish beyond question the necessity of such measures before putting them into effect.

During the coming season two men of the grazing studies personnel are to be assigned to some of the central and southern Utah ranges to determine with certainty if proper reclamation is taking place to protect the watersheds. Always when making such determinations not only the re-

DECLARES WINE SHIP IS DREAM

Thirsty Coast Residents Due for Disappointment, Secretary Says

BY WILLIAM BIRD
Special Cable to the Standard-Examiner.
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PARIS, March 25.—For mystery the Flying Dutchman has nothing on the wine laden French steamship which, the newspaper announced this week, would tour the world inviting journalists in every port of call the most famous vintages of Champagne, Burgundy, Anjou and Alsace.

According to the story special attention was to have been paid to America. From Boston to New Orleans, from Seattle to San Diego, this wonder craft was to have anchored three miles off shore while jolly tugs brought the thirsty on board and carried the wine to the shore.

Anticipation apparently has been unnecessarily aroused. The craft appears to be a phantom ship. Nobody among the wine growers exporters or the creators of government propaganda has heard of the plan. Application in coastwise yacht clubs in the United States might just as well draw now. The mythical bidders can cease practicing "yo ho, ho, and a bottle of rum."

It is all a dream, says Jean Coupry, secretary of the wine exporters commission. "Moreover," he continued, "it is all a bad dream. It would be far from profitable for our wines. Americans might say that we were attempting to influence their internal legislation. No country would stand for that."

But the entire French navy could carry enough wine to convert one hundred million people. For the present Americans who want French wine must wait. France, doubtless, has more wine than it can sell.

Requirements of such vegetation is considered but also the effect any change in practices may have upon the community dependent on the area for range and water.

COLLECTING DATA. Since the chief function of the grazing department is to collect accurate and reliable information relative to the sheep and cattle ranges this work involves a survey of the forage resources; how many sheep and cattle the various areas will support; the determination of ways and means of revegetation areas that are producing the amount of forage they should; a study of the results of different methods of managing ranges; the examination of localities where the loss of livestock is heavy so as to learn how to prevent such losses and the other remedial measures.

It so happens that the ranges in greatest demand by the livestock men are the ones where the detailed information is needed most and it is the policy of the forestry service to solve the various problems in the order of their importance.

RECONNAISSANCE WORK. An intensive grazing reconnaissance to get the data as to the carrying capacity in terms of sheep and cattle for the established grazing season will be handled this season on the Flamingo national forest. A party of about five men. The men in charge will be technically trained in botany, engineering and animal husbandry, of long experience in the carrying capacity work are in grazing reconnaissance both sheep and cattle on summer ranges in the west.

One other member of the party though technically trained men will be men of less experience than the chief in charge but they will all know not only the names of the plants that make up the forage but also the peculiarities of the vegetation on that particular range as to the carrying capacity for sheep or cattle, as well as the extent to which the range may be grazed.

They will cover the country on foot and will secure a complete and detailed record of its forage resources, water places for stock, slopes, exposures, location of poisonous plants, drift and glacial features, corals and any other information of benefit to stockmen. Probably between 10,000 and 100,000 acres will be covered which will open an area for about 8,000 head of stock.

The data thus secured will be formulated into range and stock management plans showing the number of each class of stock that should be allowed in each unit of the range, the time they should graze it, where stock can be watered, where improvements should be made for watering places, where, when and in what amount salt for stock should be placed and other information to facilitate the use of the range by the stockmen.

MAY REORGANIZE NAVAL RESERVES

WASHINGTON, March 25.—Reorganization of the naval reserve is proposed in a bill introduced in the navy department and submitted today by Secretary Denby to Speaker Gillett for introduction in the house with the comment that enactment of the measure will create a navy reserve organization on sound enduring lines and will provide the vitally important reserves necessary to supplement the regular navy.

ALLIES WITHDRAW TROOPS IN ALBANIA

PARIS, March 25.—(By the Associated Press.)—The allied council of ambassadors today decided that the international troops occupying Scutari, Albania, should be withdrawn. The forces are entirely Italian, although they are occupying the town in the name of the allies.

'GLUCOSE KING' OF MIDDLE WEST DIES

CHICAGO, March 25.—Charles P. "Glucose King" died today at his home here after a two weeks' illness. Mrs. Isabelle Lancaster, 88, once famous for her sugar refining plant at Geneva, Ill., to the Corn Products Refining company at Argo, Ill., for \$3,000,000. Floriculture was his hobby.

CIRCUS RIDER, ONCE FAMOUS, DIES POOR

POUGHKEEPSIE, N. Y., March 25.—Mrs. Isabelle Lancaster, 88, once famous as the world's most famous bareback rider, is dead here of pneumonia. For a long time she had been in poor health but had refused to accept charity.

Half a century ago Mrs. Lancaster was with the P. T. Barnum shows.

COL COOLIDGE WOULD BE SOLO

But Vice President Will Not Throw Self in Way of Lodge

BY EDWARD HART
Special Correspondent of the Standard-Examiner.
(Copyright, 1922, by the Standard-Examiner.)

BOSTON, March 25.—Friends of Vice President Coolidge are passing the word along to the home folks that after one year's experience as the presiding officer of the senate of the United States, he has concluded not to contest for a re-nomination. The garrulity of the upper branch of congress, as it beats upon the presiding officer, is not to the liking of Coolidge, the silent, as the vice president is known among his friends in the Bay state.

Mr. Coolidge has long been regarded in politics as a man of deeds rather than of words. But, his friends say, it does not mean that the vice president intends to quit politics. Indeed, reports have it that he rather likes Washington and if the opportunity offers itself he will be a candidate for the senate from Massachusetts. As a senator he can retire to the cloakroom and the talk becomes too thick. The same day that Coolidge's term as vice president expires, March 4, 1923, the term of Senator Lodge will also expire and it wouldn't surprise Massachusetts politicians if Mr. Coolidge sought to be his successor.

COOLIDGE VS. LODGE

Ever since the convention of 1920 there has not been any too great warmth between the Coolidge faction and the Lodge followers in Massachusetts. The former still feel that Senator Lodge might have done much more for the candidacy of Mr. Coolidge for the presidency. They also have a feeling that the senate senator from the Bay state and presiding officer in the convention, did not rise to the occasion when Mr. Coolidge's name was presented to the convention as a candidate for second place on the ticket and they point out that Coolidge was nominated in spite of the lukewarmness of Mr. Harding's keynoter who insisted on staying with associates in the plan to name Senator Lenroot as Harding's running mate.

COOLIDGE, CLEAN POLITICIAN

Despite the feeling of his close political friends, the vice president has sent word to his followers in his home state to go aboard the Lodge band wagon. In the first place, the re-election of the leader of the senate and chairman of the foreign relations committee, Mr. Coolidge is regarded as a far-sighted politician. He does not encourage party feuds and he wants to be in a position, if a vacancy occurs in the senate, to be able to control the senate situation. A fight with Lodge would split the party wide open in Massachusetts and that would mean another Democratic senator or the re-election of Senator Walsh.

There is little doubt, if Mr. Coolidge should say the word to his followers, he could make a lot of trouble for Senator Lodge in the latter's fight for re-election this fall. The vice president has kept aloof from all federal patronage in his home state. He announced soon after his election that he would not take any federal office, saying that all applicants would have to make their peace with Mr. Lodge and get the latter's endorsement. He has refused to interfere in any way with the distribution of administration plums in Massachusetts.

LODGE WHOLE SHOW

Whatever feeling there is in this matter among the Republican party workers, cannot be charged up to the election of Mr. Coolidge. Mr. Lodge has the absolute say on federal appointments in Massachusetts. Mr. Coolidge knows that for every office filled by a public man, the latter makes nine enemies and one friend. He found this out when he was mayor of his home town, and as governor of Massachusetts, and he made sure at the beginning of his term as vice president, that all blame for federal appointments must be laid at the door of Mr. Lodge.

TOWNLEY WILL OFFER TO QUIT

Minnesota Nonpartisans To Be Asked for Vote of Confidence

FARGO, N. D., March 25.—(By the Associated Press.)—A. C. Townley announced today that he would present his resignation as president of the national Non-partisan league to the state meeting of the Minnesota organization at Minneapolis, March 31.

This resignation must be submitted to the national committee and its rejection would constitute a vote of confidence. The situation is similar to that of two years ago when Mr. Townley refused to accept re-election by the national committee, until it was confirmed in a referendum by the league membership.

There are 14 or 15 states with league organizations, according to national headquarters, and each of those states has the same number of members on the national committee.

MEETS OPPOSITION. Mr. Townley, the recognized "father" of the Non-partisan league movement, started the organization in North Dakota in 1915, and has been active in extending its ramifications to the other states. Recently he has met with considerable opposition in his attempts to swing league sentiment to his proposed "balance of power" plan in state politics.

This plan, all the while, of the coalition of endorsement of individual candidates, regardless of party affiliations.

BRIGHAM-CITY HAS LIVE KIWANIS CLUB

Brigham City has a real live organization in its Kiwanis club, according to Ogden Kiwanians who attended a jollification of the Brigham Kiwanis club at the Commercial club in Brigham City, Friday evening.

Among those who visited Brigham City at the invitation of the Peach City club members were the following: John Culley, president of the Ogden club; William H. Reeder, Jr., former president; Dr. W. S. Paine, vice president; Fred Procter, secretary; directors: Charles W. Iverson, Dr. W. D. Henderson, Charles Smith, Thomas Jensen, Harold J. Packer and W. Preston Thomas.

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BOYLE'S
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CLAIMS WEDDING WYOMING HAS IS ALL REGULAR 7650 MINERS

Former Senator Hollis Got This Is Number of Union Coal Diggers, According to Organization

NEW YORK, March 25.—(By the Associated Press.)—Former Senator Henry Hollis, of New Hampshire, who married Miss Anne Hobbs in Italy this week, obtained an absolute divorce from Mrs. Gray B. Hollis in the French courts within the last three months, it was said here today by his lawyer, John W. Moore.

Mr. Moore said the statements issued by Mrs. Grace B. Hollis, Friday through counsel at Concord, N. H., in which she declared that her husband would have nothing to do with filling the offices, saying that all applicants would have to make their peace with Mr. Lodge and get the latter's endorsement. He has refused to interfere in any way with the distribution of administration plums in Massachusetts.

PETITION DISMISSED

He said it was true that by a decree of last July 21, the French courts dismissed the former senator's petition, but explained this was done on a technicality, and that since returning to France from the United States, three months ago, Mr. Hollis had renewed his petition and had been granted an absolute decree.

Mr. Hollis is a noted international counsellor, practicing in New York, Paris, and Washington. Mr. Moore said, he made a thorough inquiry before his second marriage so as not to jeopardize the position of his second wife.

DETAILS REFUSED

PARIS, March 25.—(By the Associated Press.)—John W. Moore, a law of office assistant here of former United States Senator Henry Hollis, said today that Mr. Hollis "obtained a divorce recently" from Mrs. Grace B. Hollis, of Concord, N. H. Mr. Moore added that he was not at present in a position to give the details.

HOUSE TO DISCUSS COAL MINE INQUIRY

WASHINGTON, March 25.—Announcement was made today by Representative Nolan of the house labor committee that hearings would be held next Thursday on the Bland bill proposing investigation of the coal mining industry by a commission to be appointed by the president. Representatives of both miners and operators will be heard, Chairman Nolan said.

\$5000 will buy control in an already established business.

Only live wires need apply. Address Box F., care Standard-Examiner.

INDIANAPOLIS, Ind., March 25.—

(By The Associated Press.)—Suspension of work in the coal industry throughout the United States, which would directly affect more than a half million workers in the coal fields of twenty states. Twenty thousand Canadian miners also belong to the United Mine Workers of America, Nova Scotia forming one union district and the western provinces forming another district.

The great numerical strength of the United Mine Workers of America is in the soft coal industry, the central competitive field comprising western Pennsylvania, Ohio, Indiana and Illinois having a combined membership of approximately 215,000. The anthracite industry, centered in three fields, in Pennsylvania, employs 155,000 men, of whom approximately one-half are in the union. In past strikes, however, the union has practically succeeded in bringing a complete walkout in the anthracite fields.

The approximate distribution of union miners by states, obtained from union sources here is as follows:

Pennsylvania	154,825
Illinois	98,000
Ohio	49,000
West Virginia	48,000
Indiana	31,000
Kentucky	14,900
Arkansas	14,800
Tennessee	13,100
Alabama	12,200
Kansas	9,700
Missouri	8,350
Wyoming	7,650
Maryland	5,250
Colorado	4,875
Montana	4,625
Washington	4,620
Michigan	2,125
Canada	20,600

CORNELL WRESTLERS TAKE THREE TITLES

(By International News Service) RUTHERFORD, N. J., March 25.—Cornell university won the intercollegiate wrestling championship in the Eastern Wrestling association when three of her mat men were returned champions in the final of the tournament contests here this evening. Cornell wrestlers were victors in the 125-pound, 175-pound and unlimited classes.

Yale won the 135-pound class championship and Columbia the 168-pound class title. Lehigh university was unable to place in the finals.

POINCARÉ INSISTS ON HIS ARMY BILL

PARIS, March 25.—(By The Associated Press.)—Premier Poincaré intends to force the passage of a measure providing for 18 months military service over the various substitute bills proposing a shorter period of service, he declared in a letter to the senate Republic which was read at

the party meeting. The party voted to support the government. Parliamentarians have expressed the opinion that the premier will not need to make it a matter of confidence to get the bill through, but with the cabinet making it an issue they predicted a heavy favorable vote.

TOO LATE TO CLASSIFY

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MODERN 4-room steam-heated apartment with porch, adults, 1245-NR. 5099 TWO garages, close in. Phone 335 or call 462 Twenty-seventh St.

Information Bureau

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REAL ESTATE—Willard Kay, real estate and loans. 314 Washington Ave. Phone 402.

SCAVENGER—McCarthy & Co., hauling rubbish and ashes. Phone 301-W.

SCAVENGER—Garbage and rubbish hauled, cesspools and toilets cleaned. John Chipp & Co. Phone 224, 2246 Hudson Avenue.

TRANSFER—Express work hauling. Prices reasonable. Phone 1249-J. Corner Hudson and Twenty-fifth St.

LEGAL NOTICES—NOTICE OF SPECIAL MEETING OF STOCKHOLDERS OF THE AERO CUSHION INNER TIRE COMPANY, OGDEN, UTAH.

Notice is hereby given that a special meeting of the stockholders of the Aero Cushion Inner Tire Company of Ogden, Utah, has been called by the board of directors, to be held at the law office of Chas. & Douglas, Building Ogden, Utah, on Tuesday, April 4, 1922, at 10 o'clock P. M. for the following purposes:

(1) To adopt or reject a proposed amendment to the articles of incorporation, changing the capital stock of said company from non-assessable to assessable, subject to all the laws of the state of Utah.

(2) To change the par value of shares from Twenty (\$20.00) Dollars to Ten (\$10.00) Dollars, as they originally existed.

(3) To transact such other business as may properly come before said meeting.

The stock transfer books of the company will be closed for such meeting on Monday, April 2, 1922, at ten o'clock A. M., and reopened on the 5th day of April, 1922, at ten o'clock A. M.

Dated, March 11, 1922.

BY ORDER OF BOARD OF DIRECTORS, Chas. & Douglas, Attorneys for Company.

4535

Louise Shop

2455 WASHINGTON

A Dozen Woolen Frocks On Sale Tomorrow \$2.95

IT'S clearance time for all the wool dresses in stock.



There are two lots. In each are dresses of tricot, serge, and poplin. Most of them in popular navy blue. Winning styles of this year's creation.

In the first group are twelve dresses. Beginning at 9 in the morning these are to be sold at \$2.95

In the second group are twelve dresses, worth much more. To be closed out at \$5.95

---skirts

EVERY woman who has need of a new dress skirt will be pleased with this news. Here are bright spring styles of skirts of all wool fabrics. Some of the good prunella cloth. There are stripes, plaids, checks and plain fabrics. Some of these are knife plaited. Every one is an unusually good value. Pleasing assortments ready tomorrow at \$4.95

---sweaters

NEWS of this smart slip-on sweater has attracted many buyers. A few are still here for selling tomorrow and week. A stunning style, made of woolen yarn. The collar and cuffs are of white kid. A leather belt gives it a winning air. Girls are wearing these to school, hops and such. Come slip one on, see how you like them. Only \$2.95

---blouses

HERE'S a new blouse made especially to be worn with the new spring suit. Made of a voile-like fabric, embellished with lace and with trimmings of embroidery in white. A dainty little blouse that will make the suit much more effective. These have come to us within the week and are now priced at only \$3.95